MOTOROLA

USER'S GUIDE
MBP30
BABY MONITOR

USER'S GUIDE

The features described in this user's guide are subject to modifications without prior notice.

Welcome...

to your new Motorola Baby Monitor!

Thank you for purchasing the MBP30. Now you can see and hear your baby sleeping in the other room or you can monitor your older children in their playroom.

Please retain your original dated sales receipt for your records. For warranty service of your Motorola product, you will need to provide a copy of your dated sales receipt to confirm warranty status. Registration is not required for warranty coverage.

For product related questions, please call:

+49 (0) 1805 938 802 in Europe
Email: motorola@telemarcom.eu
On the Web: www.motorola.com

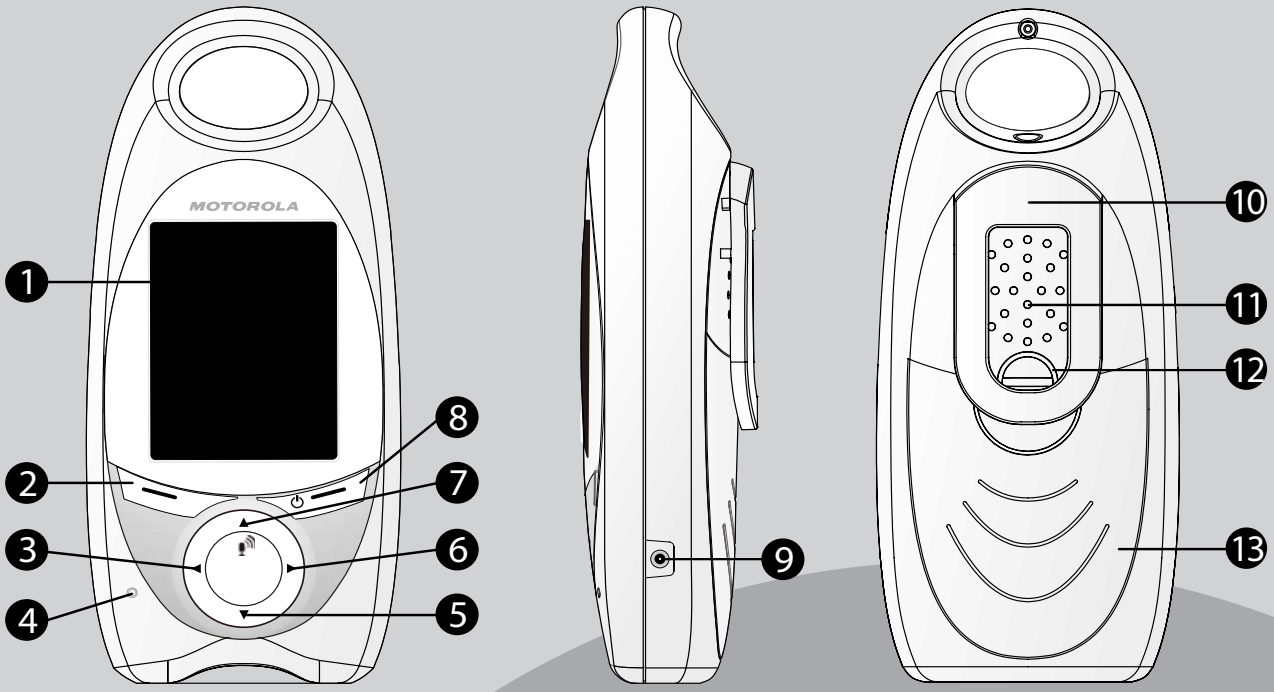
This User's Guide provides you with all the information you need to get the most from your product.

Before you can use the baby monitor, we recommend you insert and fully charge the battery in the parent unit, so that it continues to work if you disconnect it from the mains power to carry it to another location. Please read the Safety Instructions on page 6 before you install the units.

Got everything?

- 1 x Parent unit
- 1 x Baby unit
- 1 x Rechargeable Ni-MH battery pack for the Parent unit
- 1 x Power adapter for the Parent unit
- 1 x Power adapter for the Baby unit

Overview of your Parent unit



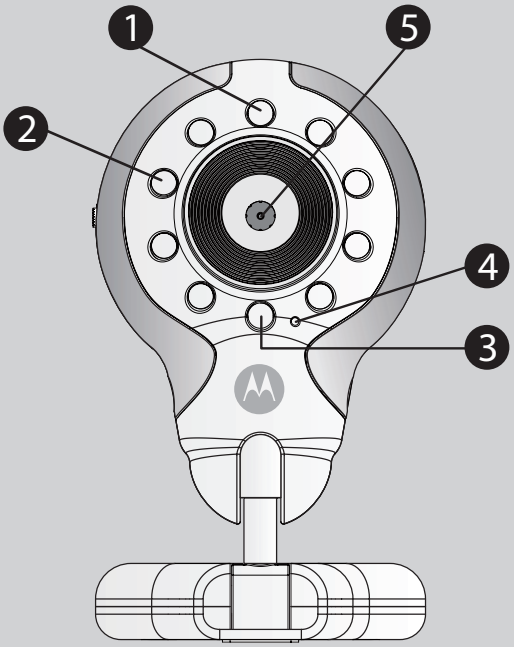
1. Display
2. Menu key ( )
3. Left / Vol - key
4. Microphone
5. Down key
6. Right / Vol + key
7. Up/Talk key
8. Power/Channel*/Enter key
9. Power adapter connector
10. Belt clip
11. Speaker
12. Battery cover screw
13. Battery cover

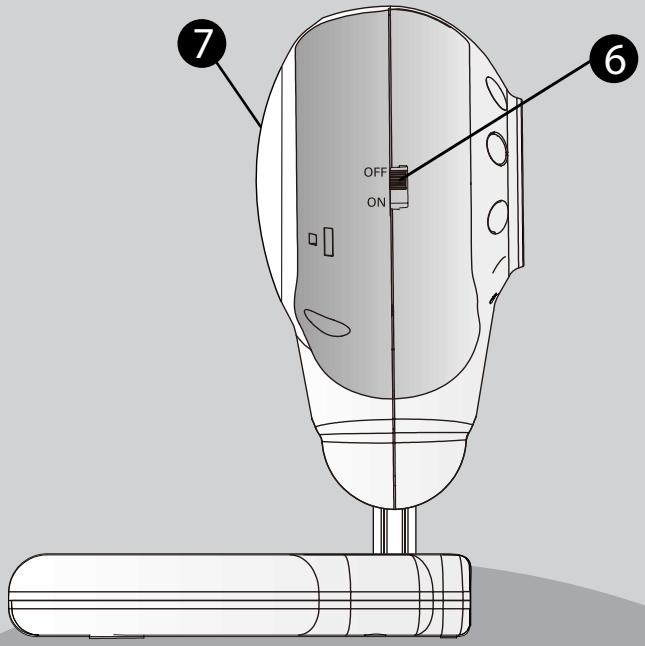
**This function is only available for multi-pack version with more than one camera.*

Parent unit menu icons

	Adjust brightness level of the LCD
	Turn the night vision on or off
	Adjust the voice activation level
	Pair Parent unit to a Camera

Overview of your Baby unit





1. Power LED
2. Infrared LEDs
3. Light sensor
4. Microphone
5. Camera lens

6. On/Off switch
7. Speaker

Important guidelines for installing your Baby Monitor

- To use your video monitor baby and parent unit together, you must be able to establish a radio link between them, and the range will be affected by environmental conditions.
- Any large metal object, like a refrigerator, a mirror, a filing cabinet, metallic doors or reinforced concrete, between the baby and parent unit may block the radio signal.
- The signal strength may also be reduced by other solid structures, like walls, or by radio or electrical equipment, such as TV's, computers, cordless or mobile phones, fluorescent lights or dimmer switches.
- Use of other 2.4GHz products, such as wireless networks, Bluetooth® systems or microwave ovens may cause interference with this product, so keep the baby monitor away from these types of products, or turn them off if they appear to be causing interference.
- If the signal is poor, try moving the parent and/or the baby unit to different positions in the rooms.

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1. Safety Instructions

WARNING

This baby monitor is compliant with all relevant standards regarding electromagnetic fields and is, when handled as described in the User's Guide, safe to use. Therefore, always read the instructions in this User's Guide carefully before using the device.

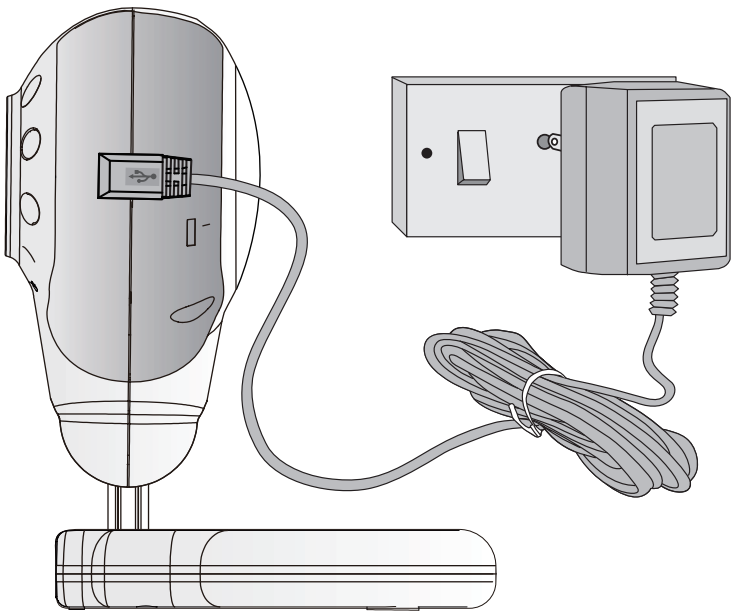
- Adult assembly is required. Keep small parts away from children when assembling.
- This product is not a toy. Do not allow children to play with it.
- This baby monitor is not a substitute for responsible adult supervision.
- Keep this user's guide for future reference.
- Do not place the baby unit or cables in the cot or within arm's reach of the baby (the unit should be at least 1 metre away).
- Keep the cords out of reach of children.
- Do not cover the baby monitor with a towel or blanket.
- Never use extension cords with power adapters. Only use the power adapters provided.
- Test this monitor and all its functions so that you are familiar with it prior to actual use.
- Do not use the baby monitor near water.
- Do not install the baby monitor near a heat source.
- Only use the chargers and power adapters provided. Do not use other chargers or power adapters as this may damage the device and battery pack.
- Only insert battery pack of the same type.
- Do not touch the plug contacts with sharp or metal objects.

CAUTION

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

2. Getting started

2.1 Baby unit power supply



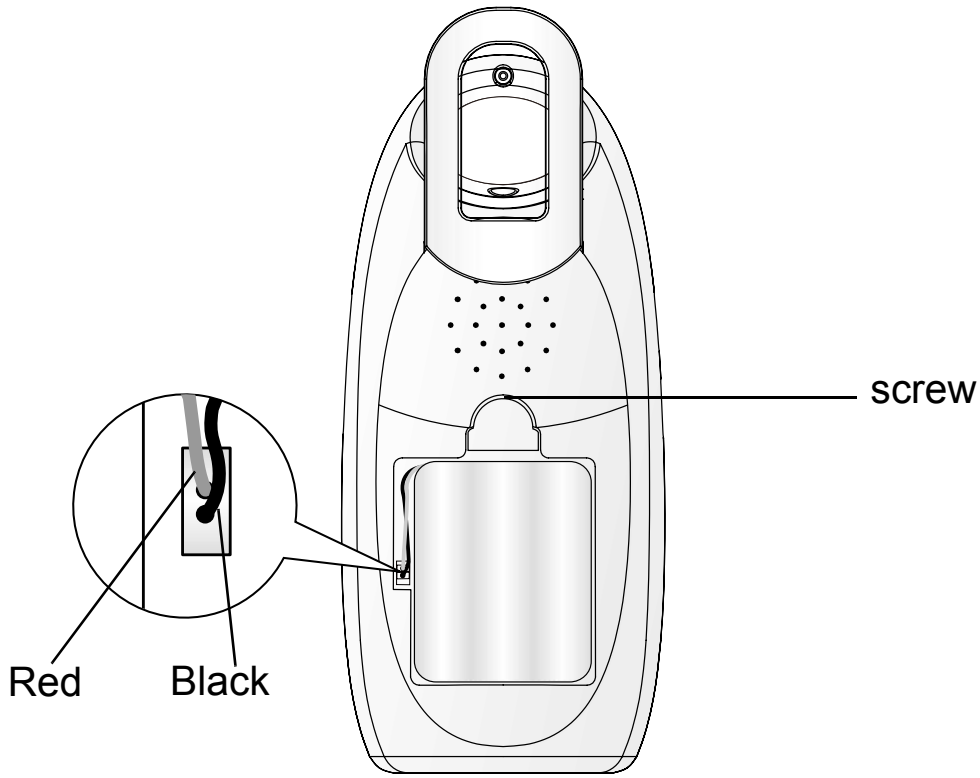
1. Connect the small plug of the power adapter to the baby unit and the other end to the mains socket (230V/50Hz).

NOTE

Only use the enclosed power adapter (5V DC / 500mA).

2. Switch the unit to ON and a green light will display.
3. Slide the switch to OFF to turn the baby unit off.

2.2 Parent unit battery installation



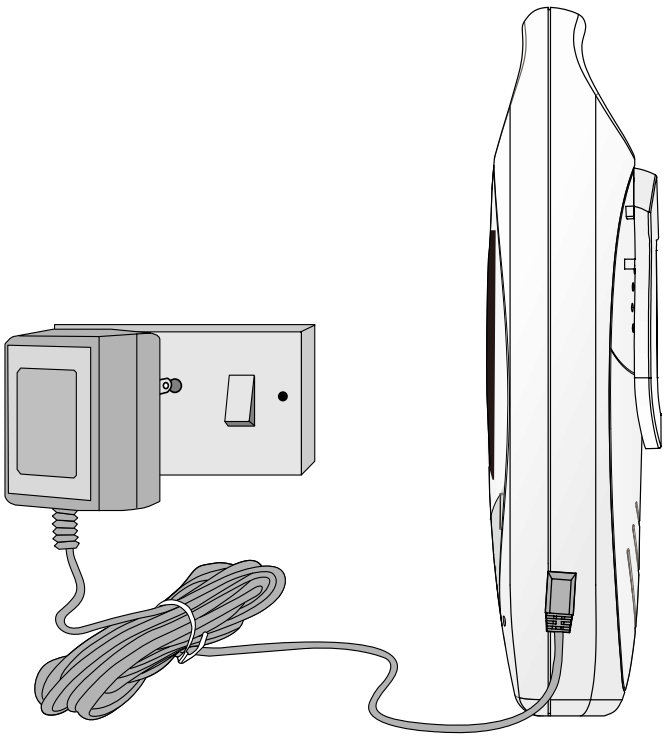
1. Turn the belt clip so that it is in the hanging position.
2. Loosen the screw in a counterclockwise direction using a small screwdriver. Remove the battery cover.
3. Insert the wire tab of the rechargeable battery pack into the contact slot as shown above and fit the battery pack into the compartment.
4. Close the battery compartment and tighten the screw in a clockwise direction.
5. Press to turn ON the parent unit. In a few seconds the LCD screen will illuminate and the unit will be ready.
6. Press and hold to turn OFF the parent unit.

The battery icon indicates that the battery pack is low and needs to be recharged. The battery pack takes about 16 hours to charge fully.

NOTE

When the main power is connected, the charge icon is displayed and the battery icon also displays while the battery is charging.

2.3 Parent unit power supply



IMPORTANT

Installing the rechargeable battery pack and charging it fully before use is recommended. This will allow the unit to operate on battery in the event of a power failure.

1. Connect the small plug of the power adapter to the parent unit and the other end to the mains socket (230V/50Hz)

NOTE

Only use the enclosed power adapter (5V DC / 1000mA).

2. The LCD screen illuminates and starts up automatically after a few seconds.

3. Press and hold to turn OFF the parent unit.

NOTE

Once the baby and parent units are switched on, the display on the parent unit will show the video captured by the baby unit.

If there is no connection or you are out of range, the video display will go off, the icon on the LCD display will flash and the parent unit will beep continuously. Move the parent unit closer to the baby unit until the link is re-established.

2.4 Registration

The baby monitor is already pre-registered upon your purchase. You do not need to register it again unless the baby unit loses its link with the parent unit.

Up to 4 baby units can be registered to one parent unit. If you have more than one baby unit, please check that you have selected the correct channel at the Parent unit for that baby unit before you attempt to register it again.

To re-register your baby unit, or register a new baby unit, follow the procedure below:

1. Switch off the baby unit and remove the small power plug from the baby unit.
2. On the Parent unit, press to enter menu mode.
3. Press ▲ or ▼ until is selected on the LCD screen.
4. Press ◄ or ► to select the camera channel (1/ 2/ 3/ 4) that you want the baby unit to pair with.
5. Press to start registration. \\\\\\\\ is displayed during the pairing process.
6. Switch on the baby unit.

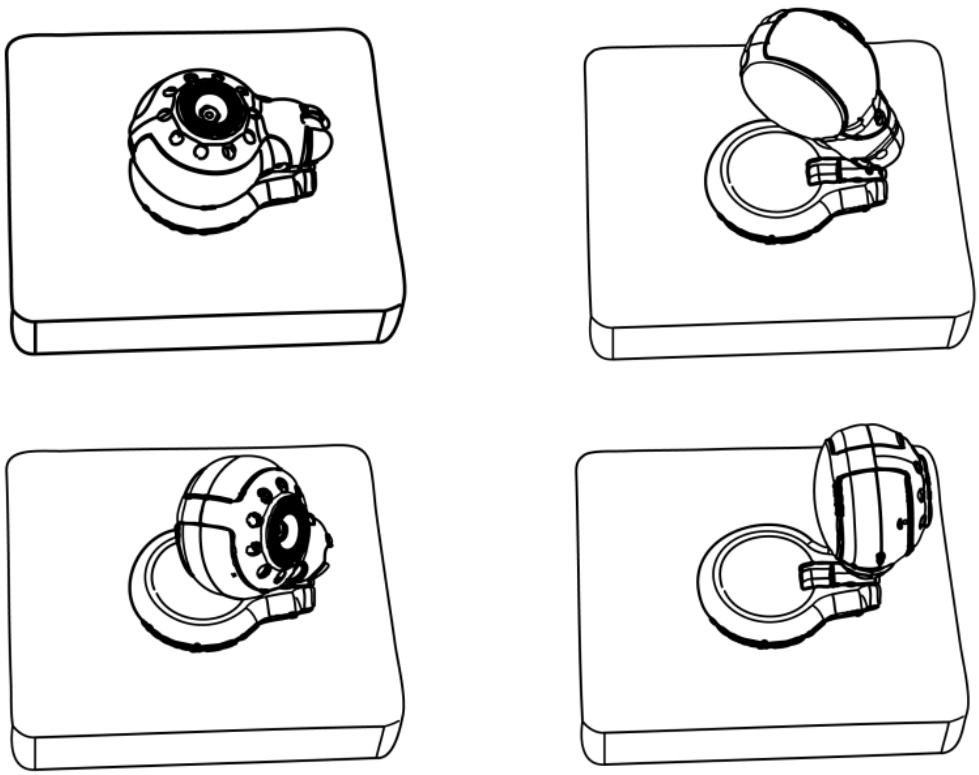
Wait 16 seconds for the parent unit to locate the baby unit and pair it to the selected channel. A will be displayed on the LCD screen if the registration is successful.

If no baby unit is found, a will be displayed on the LCD screen. Switch the baby unit off and on and repeat the registration procedure.

3. Using the Baby Monitor MBP30

3.1 Setting up

- Place the baby unit in a convenient location (e.g. on a table) and point the camera lens towards the area you want to monitor.
- Adjust the baby unit until you are satisfied with the image in the parent unit.



- To mount the baby unit on the wall, see section “9. Wall mounting instructions” for more details.

NOTE

Do not place the baby unit within baby’s reach! If there is interference on the picture or sound, try moving the units to different locations, and ensure they are not close to other electrical equipment.

3.2 Selecting a camera channel (for multi-pack only)

The Parent unit has 4 camera channels (1/ 2/ 3/ 4) from which the video can be displayed and the audio heard. Each baby unit is paired with a camera number 1, 2, 3 or 4 when it is registered to the parent unit, and the parent unit shows the number of the selected channel at the top right of the display. You will need additional baby units registered to the parent unit if you wish to monitor different areas using this channel option. To switch between the channels, press .

3.3 Pairing camera channels

The enclosed baby unit has already been registered and no setup is required. For additional units, you will need to pair them to new channels before you can use them. There are up to 4 camera channels (1/ 2/ 3/ 4) available for pairing. See section “2.4 Registration” for more details.

3.4 Night vision

The baby unit has 9 high-intensity infrared LEDs for picking up clear images in the dark. When the built-in photo sensor detects a low level of ambient light, the LEDs will automatically activate and the screen on the parent unit will display in black and white.

3.5 Talk function

Press and hold ▲ on the parent unit to talk to your baby through the baby unit loudspeaker. The symbol will be displayed at the top of the LCD screen.

3.6 Adjusting the volume of the parent unit

When the video is playing or in standby mode, press ◄ to decrease volume or ► to increase volume. The display will show the current volume setting for 5 seconds.

NOTE

The parent unit also provides a visual indication of the sound level detected at the baby unit, regardless of the volume setting.
Up to five arrows (>>>>>) are turned on across the bottom of the display, with more arrows indicating a louder sound.

4. MBP30 Parent Unit Menu Options

4.1 Brightness

This option lets you change the brightness of the LCD.

1. Press to enter menu mode.
2. Press ▲ or ▼ until is selected on the LCD screen.
3. Press ◄ or ► to adjust the LCD brightness level.
   The LCD brightness will be adjusted accordingly.

4.2 Night Vision

When activated, this function automatically switches the camera to night vision when the brightness level of the room where the camera is placed is not strong enough.

1. Press to enter menu mode.
2. Press ▲ or ▼ until is selected on the LCD screen.
3. Press ◄ or ► to turn the Baby Unit Night Vision On or Off.
   The infrared night vision capability on the baby unit will be switched on and off accordingly.

4.3 Voice Activation

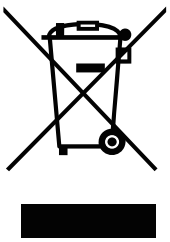
The VOX setting allows you to adjust the sound sensitivity level, so that in a quiet environment you can pick up minor sounds, but in a noisier setting you can choose to have only the loudest sounds transmitted to the parent unit.

1. Press to enter menu mode.
2. Press ▲ or ▼ until is selected on the LCD screen.
3. Press ◄ or ► to adjust the VOX level.
   When choosing the VOX level, remember that the most sensitive setting is at the first bar. This setting allows the most minor sounds to be transmitted to the parent unit. Adjusting the VOX level to the last bar will provide the least sensitive monitoring. This might be useful in a playroom with random and background noises present during play, versus using the most sensitive setting during naps or sleeping through the night. When using the VOX feature, VOX will be displayed at the top of the LCD screen. With VOX at the minimum setting, a is displayed and the audio/video monitoring occurs without reference to the voice activation.
4. VOX Setting Suggestions:
   - Set at the first bar to closely monitor a quiet sleeper.
   - Set to the last bar to detect loud sounds in a noisy environment.
   - Set in between for a situation monitoring moderate sound levels.
   - Set to the if you prefer to continuously monitor the environment with both audio and video on. With this option, we recommend using the power supply for both units to avoid battery usage.

NOTE

The LCD screen on the parent unit will be switched back on when the sound level of the baby reaches the VOX threshold or when any key on the parent unit is pressed.

5. Disposal of the device (environment)



At the end of the product lifecycle, you should not dispose of this product with normal household waste. Take this product to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's guide and/or box indicates this.

Some of the product materials can be re-used if you take them to a recycling point. By reusing some parts or raw materials from used products you make an important contribution to the protection of the environment.

Please contact your local authorities in case you need more information on the collection points in your area.

Dispose of the battery pack in an environmentally-friendly manner according to your local regulations.

6. Cleaning

Clean the MBP30 with a slightly damp cloth or with an anti-static cloth. Never use cleaning agents or abrasive solvents.

Cleaning and care

- Do not clean any part of the product with thinners or other solvents and chemicals –- this may cause permanent damage to the product which is not covered by the warranty.
- Keep your MBP30 away from hot, humid areas or strong sunlight, and don't let it get wet.
- Every effort has been made to ensure high standards of reliability for your MBP30. However, if something does go wrong, please do not try to repair it yourself –- contact Customer Service for assistance.

7. Help

Display

No display

- Try recharging or replacing the battery pack.
- Reset the units. Disconnect the battery pack of the parent unit and unplug both the units' electrical power, then plug them back in.
- Is the unit turned on?
  Press and release on the parent unit to turn it on.
- Is the correct camera channel number selected?
  Change the camera channel number, if necessary.

Registration

If the baby unit has lost its link with the parent unit

- Try recharging or replacing the battery pack.
- If the baby unit is too far away it may be going out of range, so move the baby unit closer to the parent unit.
- Reset both units by unplugging their batteries and mains electrical power. Wait for 15 seconds before reconnecting them. Allow up to one minute for the baby unit and the parent unit to synchronise.
- See section "2.4 Registration" if there is a need to re-register the units.

Interference

Noise interference on your parent unit

- Your baby and parent units may be too close. Move them further away from each other.
- Make sure there is at least 1 metre between the 2 units to avoid audio feedback.
- If the baby unit is too far away it may be going out of range, so move the baby unit closer to the parent unit.
- Make sure the baby and parent units are not near other electrical equipment, such as a television, computer or cordless/mobile telephone.

8. General Information

If your product is not working properly....

1. Read this User's Guide or the Quick Start Guide.

2. Visit our website:
   www.motorola.com

3. Contact Customer Service at +49 (0) 1805 938 802 in Europe.
   Email: motorola@telemarcom.eu

To order a replacement battery pack, contact customer service or visit our website.

Consumer Products and Accessories purchased in Europe.

What Does this Warranty Cover?

Subject to the exclusions and limitations contained below, Binatone Electronics International LTD. warrants the Motorola branded consumer products that it manufactures ("Products") and the Motorola branded or certified accessories sold for use with these Products that it manufactures ("Accessories") to be free from defects in materials and workmanship under normal consumer usage for the period(s) outlined below. This limited warranty is a consumer's exclusive remedy, and only applies as follows to new Motorola branded Products and Accessories manufactured by Binatone Electronics International LTD., and purchased by consumers in Europe, which are accompanied by this written warranty:

Who is covered?

This warranty covers only the first consumer purchaser, and is not transferable.

What will BINATONE ELECTRONICS INTERNATIONAL LTD. do?

BINATONE ELECTRONICS INTERNATIONAL LTD., at its sole option, will at no charge repair, replace or refund the purchase price of any Products or Accessories that does not conform to this warranty. Binatone Electronics International LTD. may use functionally equivalent reconditioned/ refurbished/ pre-owned or new Products, Accessories or parts in such repair or replacement and any Products, Accessories or parts removed or being replaced under this warranty become the property of Binatone Electronics International LTD.

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Some states, countries or jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitation on the length of an implied warranty, so the above limitations or exclusions may not apply to you in such states, countries or jurisdictions. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or from one country/jurisdiction to another.

Products or Accessories Covered	Length of Coverage
Consumer Products	**Two (2) years** from the date of purchase by the first consumer purchaser of the product.
Consumer Accessories	**Ninety (90) days** from the date of purchase by the first consumer purchaser of the accessory.
Consumer Products and Accessories that are Repaired or Replaced	**The balance of the original warranty or for ninety (90) days** from the date returned to the consumer, whichever is longer.

Exclusions

Normal Wear and Tear. Periodic maintenance, repair and replacement of parts due to normal wear and tear are excluded from coverage.

Batteries. Only batteries whose fully charged capacity falls below 80% of their rated capacity and batteries that leak are covered by this limited warranty. Battery life and the changes in battery capacity with time or use are excluded from this warranty.

Abuse & Misuse. Defects or damage that result from: (a) improper or unreasonable use, operation, storage, misuse or abuse, accident or neglect or other external cause, such as physical damage (cracks, scratches, etc.) to the surface of the product resulting from misuse; (b) your failure to follow or operate outside the usage parameters stated in the user instructions that came with the Products or Accessories; (c) contact with liquid, water, rain, extreme humidity or heavy perspiration, sand, dirt or the like, extreme heat, or food; (d) use of the Products or Accessories for commercial purposes or subjecting the Product or Accessory to abnormal usage or conditions; or (e) other acts or omissions which are not the fault or neglect of Motorola or Binatone Electronics International LTD., are excluded from coverage.

Use of Non-Motorola branded Products and Accessories. Defects or damage that result from the use of Non-Motorola branded or certified Products or Accessories or other peripheral equipment are excluded from coverage.

Unauthorised Service or Modification. Defects or damages resulting from service, testing, adjustment, installation, maintenance, alteration, or modification in any way by someone other than Motorola, Binatone Electronics International LTD. or its authorised service centres, are excluded from coverage.

Altered Products. Products or Accessories with (a) serial numbers or date tags that have been removed, altered or obliterated; (b) broken seals or that show evidence of tampering; (c) mismatched board serial numbers; or (d) nonconforming or non-Motorola branded housings, or parts, are excluded from coverage.

Communication Services. Defects, damages, or the failure of Products or Accessories due to any communication service or signal you may subscribe to or use with the Products or Accessories is excluded from coverage.

How to Obtain Warranty Service or Other Information?

To obtain service or information, please call:

+49 (0) 1805 938 802 in Europe

You will receive instructions on how to ship the Products or Accessories, the shipment of which shall be at your own risk and expense, to a BINATONE ELECTRONICS INTERNATIONAL LTD. Authorised Repair Centre. To obtain service, you must include: (a) a copy of your receipt, bill of sale or other comparable proof of purchase of the Products or Accessories showing the date of purchase; (b) a written description of the problem; and, most importantly; (c) your address and telephone number.

These terms and conditions constitute the complete warranty agreement between you and BINATONE ELECTRONICS INTERNATIONAL LTD. regarding the Products or Accessories purchased by you, and supersede any prior agreement or representations, including representations made in any literature publications or promotional materials issued by BINATONE ELECTRONICS INTERNATIONAL LTD. or representations made by any agent employee or staff of BINATONE ELECTRONICS INTERNATIONAL LTD., that may have been made in connection with the said purchase.

Technical Specifications

Baby unit

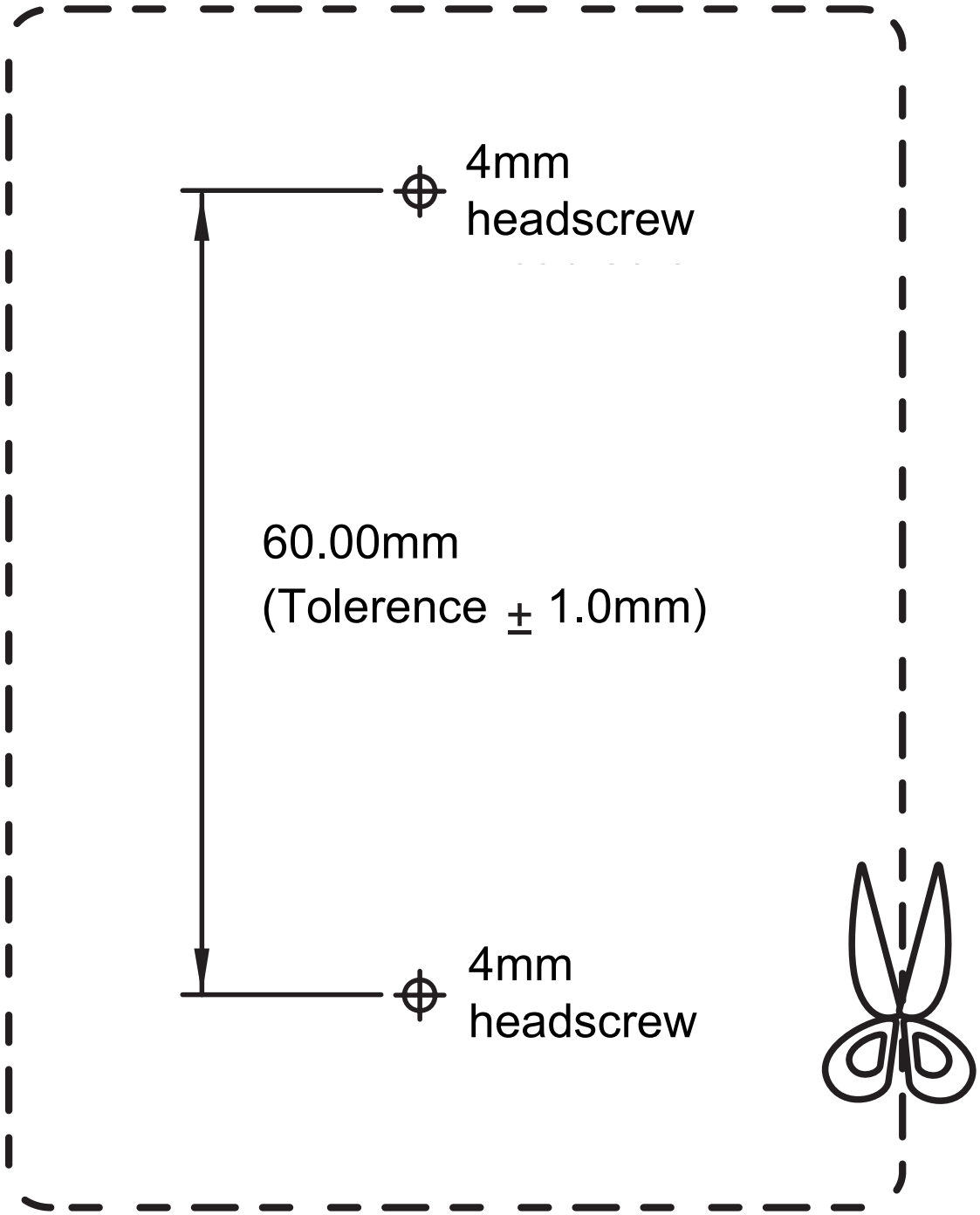
Frequency	2.4GHz to 2.4835GHz
Maximum range	Extended range up to 450 feet* *Based on unobstructed line of sight. Actual range will vary depending on surroundings.
Image sensor	Colour CMOS
Lens	f 2.5mm, F 2.8
IR LED	9 pcs
Power	DC 5V, 500mA (Model: Kings, KSS05-050-0500G)

Parent unit

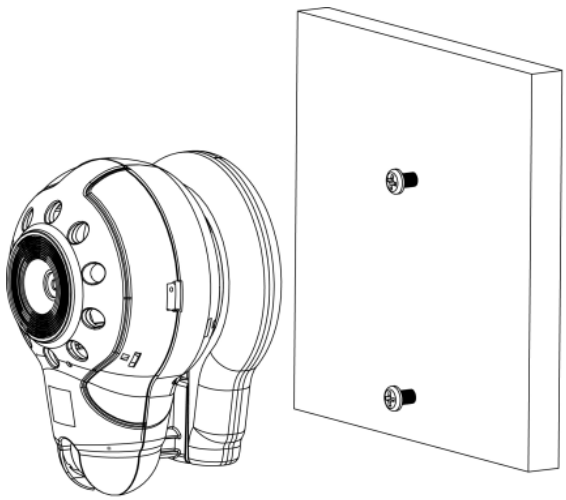
Frequency	2.4GHz to 2.4835GHz
Display	2.4" TFT LCD
Display colours	16.7M colour LCD
Brightness control	5 steps
Power	Adapter: DC 5V, 1000mA (Model: Kings, KSS05-050-1000G) OR Battery: NiMH rechargeable battery pack (Model: TFL3X44AAA650-CD77-01B) ***WARNING*** *Do not use non-rechargeable batteries for the Parent Unit. Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.*

9. Wall mounting instructions

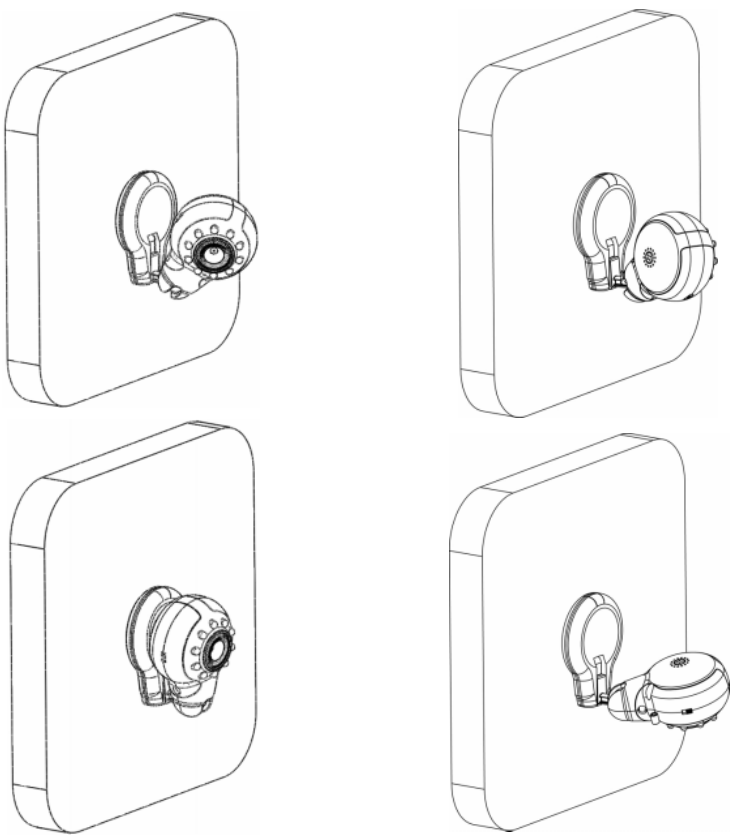
1. Use the template below to mark the wall in the correct places to drill holes for wall-mounting screws (not supplied).



2. Insert 4mm head screws (not supplied) into the holes and tighten the screws. Then, align your baby unit with the screws and push it down.



3. Point the camera lens towards the area you want to monitor. Adjust the baby unit until you are satisfied with the image in the parent unit.



BINATONE TELECOM PLC
1 Apsley Way London NW2 7HF,United Kingdom.
Tel: +44(0) 20 8955 2700 Fax: +44(0) 20 8344 8877
e-mail: binatoneuk@binatonetelecom.co.uk

Binatone

EC Declaration of Conformity

We the manufacturer / Importer : Binatone Telecom Plc
1 Apsley Way London
NW2 7HF, United Kingdom.

Declare under our sole responsibility that the following product

Type of equipment:	Digital Baby Monitor
Model Name:	MBP 30
Country of Origin:	China
Brand:	Motorola

complies with the essential protection requirements of R&TTE Directive 1999/5/EC on the approximation of the laws of the Member States relating to ***Radio Spectrum Matters***, the Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to ***electromagnetic compatibility (EMC)*** and the European Community Directive 2006/95/EC relating to ***Electrical Safety.***
Assessment of compliance of the product with the requirements relating to the essential requirements according to Article 3 R&TTE was based on Annex III of the Directive 1999/5/EC and the following standard:

Radio Spectrum:	EN300328 V1.7.1:2006
EMC:	EN 301489-1:V1.8.1:2008; EN301489-17 V1.3.2:2008
Electrical Safety:	EN 60950-1:2006

The product is labelled with the European Approval Marking CE as show. Any Unauthorized modification of the product voids this Declaration.

CE

Manufacturer / Importer
(Signature of authorized person)

Signature: (K.H.Mueller, CT0)

London, 21 May 2009

Place & Date:

MOTOROLA

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CE

Version 1.0

Printed in China